Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Division

Name of Work: Providing Benches and drilling of borewells at burial Ground in Ward No. 04, Yelahanka Satellite town Sub Division

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRRB M200-11.1. Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removalof stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness complete as per specifications.(P.No-139,I No-18.16) By Mechanical Means:B. In area of thorny jungle								
	Basic rate	22907.00							
	Area Weightage 6%	1374.42							
	Total	**24281.42**							
	65% area	0.65	34.00	40.00		884.00			
						0.09	Ha	**24281.42**	**2146.48**
2	KSRB 2-2 : **Earthwork excavation by manual means** for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. (Page No 6, I.No.2.3)								
	For SSM foundation								
	Fencing	1	30.00	0.70	0.50	10.50			
	Gate	1	4.00	0.70	0.50	1.40			
	50% area	0.50	34.00	40.00	0.30	204.00			
						215.90	**Cum**	**394.42**	**85155.28**
	Basic Rate Rs.=	299.00							
	Add 6% A.W Rs. =	17.94							
	Sub Total =	316.94							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	394.42							
3	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	Fencing	1	30.00	0.70	0.15	3.15			
	Gate	1	4.00	0.70	0.15	0.42			
	For Benches	30	1.80	1.50	0.15	12.15			
	Surround bench	30	6.40	0.20	0.10	3.84			
	Pathway kerb	2	30.00	0.20	0.10	1.20			
						20.76	**Cum**	**5421.90**	**112558.64**
	Basic Rate Rs.=	5115.00							
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							

No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
4	KSRB 5.2-3 : Providing and **constructing granite / trap / basalt size stone masonry** in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page No 25., I.No.5.6).								
	Fencing	1	30.00	0.60	0.60	10.80			
	Gate	1	4.00	0.60	0.60	1.44			
	2nd Step								
	Fencing	1	30.00	0.45	0.40	5.40			
						17.64	**Cum**	**4871.76**	**85937.85**
	Basic Rate Rs.=	4596.00							
	Add 6% A.W Rs. =	275.76							
	Total Rate Rs. =	**4871.76**							
5	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of Mix 1:2:4** with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
	Fencing	1	30.00	0.45	0.10	1.35			
	Gate	1	4.00	0.60	0.10	0.24			
						1.59	**Cum**	**5747.32**	**9138.24**
	Basic Rate Rs.=	5422.00							
	Add 6% A.W Rs. =	325.32							
	Total Rate Rs. =	**5747.32**							
6	**Supplying and fixing M.S. Rectangular poles** made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1 :2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 ems. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (P.No-266,I No-37.2)								
	Fencing	15	2.30			34.50			
						34.50	**m**	**910.54**	**31413.63**
	Basic Rate Rs.=	859.00							
	Add 6% A.W Rs. =	51.54							
	Total Rate Rs. =	**910.54**							
7	**Providing chain link fencing 50mm size** of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (P.No-266,I No-37.3)								
	Fencing	1	30.00		1.80	54.00			
						54.00	**Sqm**	**757.90**	**40926.60**
	Basic Rate Rs.=	715.00							
	Add 6% A.W Rs. =	42.90							
	Total Rate Rs. =	**757.90**							
8	**Providing and fixing M.S. Block pipe of 38mm dia**, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint(P.No-266,I No-37.4)								
	Fencing	2	30.00			60.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
						60.00	**m**	**432.48**	**25948.80**
	Basic Rate Rs.=	408.00							
	Add 6% A.W Rs. =	24.48							
	Total Rate Rs. =	**432.48**							
9	**Providing and fixing M.S. Gate** as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification. (P.No-45,I No-7.37)								
	Gate	1	4.00		2.10	8.40			
						8.40	**Sqm**	**3192.72**	**26818.85**
	Basic Rate Rs.=	3012.00							
	Add 6% A.W Rs. =	180.72							
	Total Rate Rs. =	**3192.72**							
10	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)								
	Pathway	1	30.00	1.80	0.15	8.10			
						8.10	**Cum**	**2001.28**	**16210.37**
	Basic Rate Rs.=	1888.00							
	Add 6% A.W Rs. =	113.28							
	Total Rate Rs. =	**2001.28**							
11	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBS (P.No-103,I No-14.6), 60mm thick								
	Pathway	1	30.00	1.80		54.00			
						54.00	**Sqm**	**1116.18**	**60273.72**
	Basic Rate Rs.=	1053.00							
	Add 6% A.W Rs. =	63.18							
	Total Rate Rs. =	**1116.18**							
12	Providing and fixing pre cast solid **cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30)								
	Pathway	2	30.00			60.00			
	Surround bench	30	6.40			192.00			
						252.00			
						560.00	**Nos**	**432.48**	**242188.80**
	Basic Rate Rs.=	408.00							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Add 6% A.W Rs. =	24.48							
	Total Rate Rs. =	**432.48**							
13	Painting two coats after filling the surface with **synthetic enamel paint** in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
	Pathway	2	30.00	0.30		18.00			
	Surround bench	30	6.40	0.30		57.60			
						75.60	**Sqm**	**84.80**	**6410.88**
	Basic Rate Rs.=	80.00							
	Add 6% A.W Rs. =	4.80							
	Total Rate Rs. =	**84.80**							
14	Providing and laying/fixing cement base, precast, pre polished cement concrete, **designer tiles** 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No-112,I No-14.62)								
	Platform bench	30	1.80	1.50		81.00			
						81.00	**Sqm**	**1305.92**	**105779.52**
	Basic Rate Rs.=	1232.00							
	Add 6% A.W Rs. =	73.92							
	Total Rate Rs. =	**1305.92**							
15	**Executive Bench- Made out of Sadarahalli grey stone** with hand supports with 3 line finishing with arch design with 100mm slabs. Height 90x Length 1500 width 45 cms (Data approved rate)								
	Bench	30				30.00			
						30.00	**Each**	**18200.00**	**546000.00**
	Data rate	18200.00							
						Total Construction Cost			**1396907.65**
						12% GST Charges			**102108.92**
						Sub Total			**1499016.57**
						Utility Shifting, Miscellaneous, Rounding off			**983.43**
						GRAND TOTAL			**1500000.00**

Administrative Approval
Accorded For RS15 lacchendy
Head of A/C P3291
CER NO : 96 Dt:13.01.2020
TAT CE (YNK),

TECHNICALLY SANCTIONED FOR Rs. 15.00 lakhs
Rupees Fifteen lakhs only
Under P-3291
2019-20 16th Jirena Committee
Dt.
EE/YNK/TS/22/2019-20
Dated 22/01/2020 Rs. 15.00 Lakhs
Executive Engineer

CERTIFICATE:

1 The work spot has been inspected by me and the work is found to be necessary.
2 The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 21-10-201 9and Data Rates
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Ramanjeerah
Assistant Engineer
Ward 04
BBMP

Assistant Executive Engineer
Yelahanka Newtown Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP